>S000020206 Pseudoxanthomonas broegbernensis (T); B1616/1; AJ012231

ttgatcmtggctcnngtgaacgctggcggtaggcctaacacatgcaagtcgaacggcagcacaggagagcttgctctctg

ggtggcgagtggcggacgggtgaggaatacatcggaatctactctgtcgtgggggataacgtagggaaacttacgctaat

accgcatacgacctacgggtgaaagtgggggaccttcgggcctcacgcgattgaatgagccgatgtcggattagctagtt

ggcggggtaaaggcccaccaaggcgacgatccgtagctggtctgagaggatgatcagccacactggaactgagacacggt

ccagactcctacgggaggcagcagtggggaatattggacaatgggcgcaacctgatccagccataccgcgtgggtgaaga

aggccttcgggttgtaaagcccttttgttgggaaagaaatcctgttgattaatactcagcagggatgacggtacccaaag

aataagcaccggctaacttcgtgccagcagccgcggtaatacgaagggtgcaagcgttactcggaattactgggcgthaa

gcgtgcgtaggtggtggtttaagtctgttgtgaaagccctgggctcaacctgggaattgcagtggaaactggatcactag

agtgtggtagagggtggcggaattcccggtgtagcagtgaaatgcgtagagatcgggaggaacatccgtggcgaaggcgg

ccacctgggccaacactgacactgaggcacgaaagcgtggggagcaaacaggattagataccctggtagtccacgcccta

aacgatgcgaactggatgttgggttcaacttggaacccagtatcgaagctaacgcgttaagttcgccgcctggggagtac

ggtcgcaagactgaaactcaaaggaattgacgggggcccgcacaagcggtggagtatgtggtttaattcgatgcgacgcg

aagaaccttactggtcttgaaatccagggaactttccagagatggattggtgccttcgggagccgtgagacaggtgctgc

atggctgtcgtcagctcgtgtcgtgagatgttgggttaagtcccgcaacgagcgcaacccttgtccttagttgccagcac

gtaatggtgggaactctaaggagaccgccggtgacaaaccggaggaaggtggggatgacgtcaagtcatcatggccctta

cgaccagggctacacacgtactacaatggtggggacagaggctgcaatcccgcgagggtgagccaatcccagaaacccca

tctcagtccggattggagtctgcaactcgactccatgaagtcggaatcgctagtaatcgcagatcagcattgctgcggtg

aatacgttcccgggccttgtacacaccgcccgtcacaccatgggagtttgttgcaccagaagcaggtagcttaaccttcg

ggagggcgcttgccacggtgtggccgatgactggggtgaagtcgtaacaaggtagccgtatcggaaggtgcggctggatc

ac

>S000322431 Pseudoxanthomonas mexicana (T); AMX 26B; AF273082

tggagagtttgatcctggctcagagtgaacgctggcggtaggcctaacacatgcaagtcgaacggcagcacaggagagct

tgctctctgggtggcgagtggcggacgggtgaggaatacatcggaatctaccttttcgtgggggataacgtagggaaact

tacgctaataccgcatacgacctacgggtgaaagtgggggaccgcaaggcctcacgcgattagatgagccgatgtccgat

tagctagttggcggggtaatggcccaccaaggcgacgatcggtagctggtctgagaggatgatcagccacactggaactg

agacacggtccagactcctacgggaggcagcagtggggaatattggacaatgggcgcaagcctgatccagccataccgcg

tgggtgaagaaggccttcgggttgtaaagcccttttgttgggaaagaaatcctgtcgattaatactcggtggggatgacg

gtacccaaagaataagcaccggctaacttcgtgccagcagccgcggtaatacgaagggtgcaagcgttactcggaattac

tgggcgtaaagcgtgcgtaggtggtggtttaagtctgctgtgaaagccctgggctcaacctgggaattgcagtggatact

ggatcactagagtgtggtagagggatgcggaatttctggtgtagcagtgaaatgcgtagagatcagaaggaacatccgtg

gcgaaggcggcatcctgggccaacactgacactgaggcacgaaagcgtggggagcaaacaggattagataccctggtagt

ccacgccctaaacgatgcgaactggatgttgggtgcaacttggcacccagtatcgaagctaacgcgttaagttcgccgcc

tggggagtacggtcgcaagactgaaactcaaaggaattgacgggggcccgcacaagcggtggagtatgtggtttaattcg

atgcaacgcgaagaaccttacctggtcttgacatccacggaactttccagagatggattggtgccttcgggaaccgtgag

acaggtgctgcatggctgtcgtcagctcgtgtcgtgagatgttgggttaagtcccgcaacgagcgcaacccttgtcctta

gttgccagcacgtaatggtgggaactctaaggagaccgccggtgacaaaccggaggaaggtggggatgacgtcaagtcat

catggcccttacgaccagggctacacacgtactacaatggtggggacagagggctgcaaacccgcgagggtgagccaatc

ccagaaaccctatctcagtccggattggagtctgcaactcgactccatgaagtcggaatcgctagtaatcgcagatcagc

attgctgcggtgaatacgttcccgggccttgtacacaccgcccgtcacaccatgggagtttgttgcaccagaagcaggta

gcttaaccttcgggagggcgcttgccacggtgtggccgatgactggggtgaagtcgtaacaaggtagccgtatcggaagg

tgcggytggatcacctcctt

>S000375272 Pseudoxanthomonas kalamensis (T); JA40; AY686710

atacgctggcggtcagcctaacacatgcaagtcgaacggcagcacgagagagcttgctctcttggtggcgagtggcggac

gggtgaggaatacatcggaatctaccctgtcgtgggggataacgtagggaaacttacgctaataccgcatacgaccttcg

ggtgaaagtgggggatcgcaagacctcacgcgattggatgagccgatgtcggattagcttgttggcggggtaaaagccca

ccaaggcgacgatccgtagctggtctgagaggatgatcagccacactggaactgagacacggtccagactcctacgggag

gcagcagtggggaatattggacaatgggcgcaagcctgatccagccataccgcgtgggtgaagaaggccttcgggttgta

aagcccttttgttgggaaagaaaagcgatcggttaatacccggttgttctgacggtacccaaagaataagcaccggctaa

cttcgtgccagcagccgcggtaatacgaagggtgcaagcgttactcggaattactgggcgtaaagcgtgcgtaggtggtg

atttaagtccgctgtgaaagccctgggctcaacctgggaattgcagtggatactgggtcactagagtgcggtagaggaca

gtggaatttccggtgtagcagtgaaatgcgtagagatcggaaggaacacccgtggcgaaggcgactgtctgggcctgcac

tgacactgaggcacgaaagcgtggggagcaaacaggattagataccctggtagtccacgccctaaacgatgcgaactgga

tgttgggttcaacttggaactcagtatcgaagctaacgcgttaagttcgccgcctggggagtacggtcgcaagactgaaa

ctcaaaggaattgacgggggcccgcacaagcggtggagtatgtggtttaattcgatgcaacgcgaagaaccttacctggt

cttgacatccacggaactttccagagatggattggtgcttcgggaaccgtgagacaggtgctgcatggctgtcgtcagct

cgtgtcgtgagatgttgggttaagtcccgcaacgagcgcaacccttgtccttagttgccagcacgtaatggtgggaactc

taaggagaccgccggtgacaaaccggaggaaggtggggatgacgtcaagtcatcatggcccttacgaccagggctacaca

cgtactacaatgggaaggacagagggctgcaatcccgcgagggggagccaatcccagaaaccttctctcagtccggattg

gagtctgcaactcgactccatgaagtcggaatcgctagtaatcgcagatcagcattgctgcggtgaatacgttcccgggc

cttgtacacaccgcccgtcacaccatgggagtttgttgcaccagaagcaggtagcttaaccttcgggagggcgcttgcca

cggtgggccgatgactg

>S000457636 Pseudoxanthomonas japonensis (T); 12-3; AB008507

agtgaacgctggcggtaggcctaacacatgcaagtcgaacggcagcacaggagagcttgctctctgggtggcgagtggcg

gacgggtgaggaatacatcggaatctaccttttcgtgggggataacgtagggaaacttacgctaataccgcatacgacct

acgggtgaaagtgggggaccgcaaggcctcacgcgattagatgagccgatgtccgattagctagttggcggggtaatggc

ccacctaggcgacgatcggtagctggtctgagaggatgatcagccacactggaactgagacacggtccagactcctacgg

gaggcagcagtggggaatattggacaatgggcgcaagcctgatccagccataccgcgtgggtgaagaaggccttcgggtt

gtaaagcccttttgttgggaaagaaatcctgtcggttaataaccggtggggatgacggtacccaaagaataagcaccggc

taacttcgtgccagcagccgcggtaatacgaagggtgcaagcgttactcggaattactgggcgtaaagcgtgcgtaggtg

gtggtttaagtctgctgtgaaagccctgggctcaacctgggaattgcagtggatactggatcactagagtgtggtagagg

gatgcggaatttctggtgtagcagtgaaatgcgtagagatcagaaggaacatccgtggcgaaggcggcatcctgggccaa

cactgacactgaggcacgaaagcgtggggagcaaacaggattagataccctggtagtccacgccctaaacgatgcgaact

ggatgttgggtgcaacttggcacccagtatcgaagntaacgcgttaagttcgccgcctggggagtacggtcgcaagactg

aaactcaaaggaattgacgggggcccgcacaagcggtggagtatgtggtttaattcgatgcaacgcgaagaaccttacct

ggtcttgacatcnacggaacttnccagagatggattggtgcttcggaaccgtgagacaggtgctgcatggctgtcgtcag

ctcgtgtcgtgagatgttgggttaagtcccgcaacgagcgcaaccctgtccttagttgccagcacgtaatggtgggaact

ctaaggagaccgccggtgacaaaccggaggaaggtggggatgacgtcaagtcatcatggcccttacgaccagggctacac

acgtactacaatggtagggacagagggctgcaaacccgcgagggtgagccaatcccagaaaccctatctcagtccggatt

ggagtctgcaactcgactccatgaagtcggaatcgctagtaatcgcagatcagcattgctgcggtgaatacgttcccggg

ccttgtacacaccgcccgtcacaccatgggagtttgttgcaccagaagcaggtagcttaaccttcgggagggcgcttgcc

acggtgtggccgatgactggggtg

>S000494000 Pseudoxanthomonas suwonensis (T); 4M1; AY927994

agagtttgatcctggctcagagagaacgctggcggtaggcctaacacatgcaagtcgaacggcagcacaggagagcttgc

tctctgggtggcgagtggcggacaggtgaggaatacatcggaatctactctgtcgtgggggataacgtagggaaacttac

gctaataccgcatacgacctacgggtgaaagtgggggaccgcaaggcctcacgcgatagaatgagccgatgtcggattag

ctagttggcggggtaaaggcccaccaaggcgacgatccgtagctggtctgagaggatgatcagccacactggaactgaga

cacggtccagactcctacgggaggcagcagtggggaatattggacaatgggcgcaagcctgatccagccataccgcgtga

gtgaagaaggccctcgggttgtaaagctcttttgttgggaaagaaatcctgttggctaatacccggcagggatgacggta

cccaaagaataagcaccggctaacttcgtgccagcagccgcggtaatacgaagggtgcaagcgttactcggaattactgg

gcgtaaagcgtgcgtaggtggtggtttaagtctgttgtgaaagccctgggctcaacctgggaattgcagtggatactgga

tcactagagtgtggtagagggtggcggaattcccggtgtagcagtgaaatgcgtagagatcgggaggaacatccgtggcg

aaggcggccacctgggccaacactgacactgaggcacgaaagcgtggggagcaaacaggattagataccctggtagtcca

cgccctaaacgatgcgaactggatgttgggttcaacttggaacccagtatcgaagctaacgcgttaagttcgccgcctgg

ggagtacggtcgcaagactgaaactcaaaggaattgacgggggcccgcacaagcggtggagtatgtggtttaattcgatg

caacgcgaagaaccttacctggtcttgacatccacggaactttccagagatggattggtgccttcgggaaccgtgagaca

ggtgctgcatggctgtcgtcagctcgtgtcgtgagatgttgggttaagtcccgcaacgagcgcaacccttgtccttagtt

gccagcacgtaatggtgggaactctaaggagaccgccggtgacaaaccggaggaaggtggggatgacgtcaagtcatcat

ggcccttacgaccagggctacacacgtactacaatggtggggacagagggctgcaatcccgcgagggtgagccaatccca

gaaaccccatctcagtccggattggagtctgcaactcgactccatgaagtcggaatcgctagtaatcgcagatcagcatt

gctgcggtgaatacgttcccgggccttgtacacaccgcccgtcacaccatgggagtttgttgcaccagaagcaggtagct

taaccttcgggagggcgcttgccacggtgtggccgatgactggggtgaagtcgtaacaaggtagccgta

>S000499737 Pseudoxanthomonas taiwanensis (T); CB-226; AF427039

agagtttgatcctggctcagagtgaacgctggcggcaggcctaacacatgcaagtcgaacggcagcgggtaggaagcttg

cttcctatgccggcgagtggcggacgggtgaggaacacatcggaatctactccgtcgtgggggataacgtagggaaactt

acgctaataccgcatacgacctaagggtgaaagtgggggaccgcaaggcctcacgcgatggaatgagccgatgtccgatt

agctagttggcggggtaaaggcccaccaaggcgacgatcggtagctggtctgagaggatgatcagccacactgggactga

gacacggcccagactcctacgggaggcagcagtggggaatattggacaatgggcgaaagcctgatccagccatgccgcgt

gggtgaagaaggccttcgggttgtaaagcccttttgttggggaagaaatcctgctggctaatacccggcggggatgacgg

tacccaaagaataagcaccggctaacttcgtgccagcagccgcggtaatacgaagggtgcaagcgttactcggaattact

gggcgtaaagcgtgcgtaggtggtggcttaagtccgttgtgaaagccctgggctcaacctgggaattgcagtggatactg

rgtcactagagtgtggtagagggtggcggaattcccggtgtagcagtgaaatgcgtagagatcgggaggaacacccgtgg

cgaaggcggccacctgggccaacactgacactgaggcacgaaagcgtggggagcaaacaggattagataccctggtagtc

cacgccctaaacgatgcgaactggatgttgggttcaatttgggactcagtatcgaagctaacgcgttaagttcgccgcct

ggggagtacggtcgcaagactgaaactcaaaggaattgacgggggcccgcacaagcggtggagtatgtggtttaattcga

tgcaacgcgaagaaccttacctggtcttgacatccgcggaactgcccagagatgggcgggtgccttcgggagccgcgaga

caggtgctgcatggctgtcgtcagctcgtgtcgtgagatgttgggttaagtcccgcaacgagcgcaacccttgtccttag

ttgccagcacgtaatggtgggaactctaaggagaccgccggtgacaaaccggaggaaggtggggatgacgtcaagtcatc

atggcccttacgaccagggctacacacgtactacaatggtggggacagagggctgcgaacccgcgagggggagccaatcc

cagaaaccccatctcagtccggattggagtctgcaactcgactccatgaagtcggaatcgctagtaatcgcagatcagca

ttgctgcggtgaatacgttcccgggccttgtacacaccgcccgtcacaccatgggagttggttgcaccagaagcaggtag

cttaaccgcaaggagggcgcttgccacggtgtggccaatgactggggtgaagtcgtaacaaggtagccgtatcggaaggt

gcggctggatcacctcctt

>S000503244 Pseudoxanthomonas koreensis (T); T7-09; AY550263

cccgtcgagtgaacgctggcggtaggcctaacacatgcaagtcgaacggcagcacaggagagcttgctctctgggtggcg

agtggcggacgggtgaggaatacatcggaatctactctgtcgtgggggataacgtagggaaacttacgctaataccgcat

acgacctacgggtgaaagtgggggaccgcaaggcctcacgcgattgaatgagccgatgtcggattagctagttggcgggg

taaaggcccaccaaggcgacgatccgtagctggtctgagaggatgatcagccacactggaactgagacacggtccagact

cctacgggaggcagcagtggggaatattggacaatgggcgcaagcctgatccagccataccgcgtgagtgaagaaggccc

tcgggttgtaaagctcttttgttgggaaagaaatcctgttgattaatactcggcagggatgacggtacccaaagaataag

caccggctaacttcgtgccagcagccgcggtaatacgaagggtgcaagcgttactcggaattactgggcgtaaagcgtgc

gtaggtggttgtttaagtctgtcgtgaaagccctgggctcaacctgggaattgcgatggatactgggcaactagagtgtg

gtagagggtggcggaattcccggtgtagcagtgaaatgcgtagagatcgggaggaacatccgtggcgaaggcggccacct

gggccaacactgacactgaggcacgaaagcgtggggagcaaacaggattagataccctggtagtccacgccctaaacgat

gcgaactggatgttgggttcaacttggaacccagtatcgaagctaacgcgttaagttcgccgcctggggagtacggtcgc

aagactgaaactcaaaggaattgacgggggcccgcacaagcggtggagtatgtggtttaattcgatgcaacgcgaagaac

cttacctggtcttgacatccacggaactttccagagatggattggtgccttcgggaaccgtgagacaggtgctgcatggc

tgtcgtcagctcgtgtcgtgagatgttgggttaagtcccgcaacgagcgcaacccttgtccttagttgccagcacgtaat

ggtgggaactctaaggagaccgccggtgacaaaccggaggaaggtggggatgacgtcaagtcatcatggcccttacgacc

agggctacacacgtactacaatggtggggacagagggctgcaatcccgcgagggtgagccaatcccagaaaccccatctc

agtccggatcggagtctgcaactcgactccgtgaagtcggaatcgctagtaatcgcagatcagcattgctgcggtgaata

cgttcccgggccttgtacacaccgcccgtcacaccatgggagtttgttgcaccagaagc

>S000503245 Pseudoxanthomonas daejeonensis (T); TR6-08; AY550264

atggacgctggcggtaggcctaacacatgcaagtcgaacggcagcacaggagagcttgctctctgggtggcgagtggcgg

acgggtgaggaatacatcggaatctactctgtcgtgggggataacgtagggaaacttacgctaataccgcatacgaccta

cgggtgaaagtgggggaccgcaaggcctcacgcgattgaatgagccgatgtcggattagctagttggcggggtaaaggcc

caccaaggcgacgatccgtagctggtctgagaggatgatcagccacactggaactgagacacggtccagactcctacggg

aggcagcagtggggaatattggacaatgggcgcaagcctgatccagccataccgcgtgggtgaagaaggccttcgggttg

taaagcccttttgttgggaaagaaatcctattgattaatactcggtagggatgacggtacccaaagaataagcaccggct

aacttcgtgccagcagccgcggtaatacgaagggtgcaagcgttactcggaattactgggcgtaaagcgtgcgtaggtgg

ttgtttaagtctgtcgtgaaagccctgggctcaacctgggaattgcgatggatactgggcgactagagtgtggtagaggg

tggcggaattcccggtgtagcagtgaaatgcgtagagatcgggaggaacatccgtggcgaaggcggccacctgggccaac

actgacactgaggcacgaaagcgtggggagcaaacaggattagataccctggtagtccacgccctaaacgatgcgaactg

gatgttgggttcaacttggaacccagtatcgaagctaacgcgttaagttcgccgcctggggagtacggtcgcaagactga

aactcaaaggaattgacgggggcccgcacaagcggtggagtatgtggtttaattcgatgcaacgcgaagaaccttacctg

gtcttgacatccacggaactttccagagatggattggtgccttcgggaaccgtgagacaggtgctgcatggctgtcgtca

gctcgtgtcgtgagatgttgggttaagtcccgcaacgagcgcaacccttgtccttagttgccagcacgtaatggtgggaa

ctctaaggagaccgccggtgacaaaccggaggaaggtggggatgacgtcaagtcatcatggcccttacgaccagggctac

acacgtactacaatggtggggacagagggctgcaatcccgcgagggtgagccaatcccagaaaccccatctcagtccgga

tcggagtctgcaactcgactccgtgaagtcggaatcgctagtaatcgcagatcagcattgctgcggtgaatacgttcccg

ggccttgtacacaccgcccgtcacaccatgggagtttgttgcaccagaagcaggtagcttaaccttcgggagggcgcttg

ccacggtgtggccgatactggg

>S000504763 Pseudoxanthomonas kaohsiungensis (T); J36; AY650027

agcttgctctctgggtggcgagtggcggacgggtgaggaatacatcggaatctactctgtcgtgggggataacgtaggga

aacttacgctaataccgcataagacctacgggtgaaagtgggggaccgcaaggcctcacgcgattgaatgagccgatgtc

ggattagctagttggcggggtaaaggcccaccaaggcgacgatccgtagctggtctgagaggatgatcagccacactgga

actgagacacggtccagactcctacgggaggcagcagtggggaatattggacaatgggcgcaagcctgatccagccatac

cgcgtgagtgaagaaggccctcgggttgtaaagctcttttgttgggaaagaaatcctgtcggttaatacctggcagggat

gacggtacccaaagaataagcaccggctaacttcgtgccagcagccgcggtaatacgaagggtgcaagcgttactcggaa

ttactgggcgtaaagcgtgcgtaggtggttgtttaagtctgtcgtgaaagccctgggctcaacctgggaattgcgatgga

tactgggcaactagagtgtggtagagggtggcggaattcccggtgtagcagtgaaatgcgtagagatcgggaggaacatc

cgtggcgaaggcggccacctgggccaacactgacactgaggcacgaaagcgtggggagcaaacaggattagataccctgg

tagtccacgccctaaacgatgcgaactggatgttgggttcaacttggaacccagtatcgaagctaacgcgttaagttcgc

cgcctggggagtacggtcgcaagactgaaactcaaaggaattgacgggggcccgcacaagcggtggagtatgtggtttaa

ttcgatgcaacgcgaagaaccttacctggtcttgacatccacggaactttccagagatggattggtgccttcgggaaccg

tgagacaggtgctgcatggctgtcgtcagctcgtgtcgtgagatgttgggttaagtcccgcaacgagcgcaacccttgtc

cttagttgccagcacgtaatggtgggaactctaaggagaccgccggtgacaaaccggaggaaggtggggatgacgtcaag

tcatcatggcccttacgaccagggctacacacgtactacaatgggaaggacagagggctgcaatcccgcgagggggagcc

aatcccagaaaccttctctcagtccggatcggagtctgcaactcgactccgtgaagtcggaatcgctagtaatcgcagat

cagcattggtgcggtgaatacgttcccgggccttgtacacaccgcccgtcacaccatgggagtttgttgcaccagaagca

ggtagcttaaccttcgggagggcgcttgccacggtgtggccgatgactggggtgaagtcgta

>S000603879 Pseudoxanthomonas dokdonensis (T); DS-16; DQ178977

agtgaacgctggcggtaggcctaacacatgcaagtcgaacggcagcacaagagagcttgctctctgggtggcgagtggcg

gacgggtgaggaatacatcggaatctaccttttcgtgggggataacgtagggaaacttacgctaataccgcatacgacct

acgggtgaaagtgggggaccttcgggcctcacgcggatagatgagccgatgtcggattagctagttggaggggtaatggc

ccaccaaggcgacgatccgtagctggtctgagaggatgatcagccacactggaactgagacacggtccagactcctacgg

gaggcagcagtggggaatattggacaatgggcgcaagcctgatccagccataccgcgtgggtgaagaaggccttcgggtt

gtaaagcccttttgttgggaaagaaaagcagtcgattaatactcgattgttctgacggtacccaaagaataagcaccggc

taacttcgtgccagcagccgcggtaatacgaagggtgcaagcgttactcggaattactgggcgtaaagcgtgcgtaggtg

gttgtttaagtctgctgtgaaagccctgggctcaacctgggaattgcagtggatactgggcgactagagtgtggtagagg

atagtggaatttccggtgtagcagtgaaatgcgtagagatcggaaggaacatctgtggcgaaggcgactatctgggccaa

cactgacactgaggcacgaaagcgtggggagcaaacaggattagataccctggtagtccacgccctaaacgatgcgaact

ggatgttgggcacaacttggtgcccagtatcgaagctaacgcgttaagttcgccgcctggggagtacggtcgcaagactg

aaactcaaaggaattgacgggggcccgcacaagcggtggagtatgtggtttaattcgatgcaacgcgaagaaccttacct

ggtcttgacatctagcgaactttccagagatggattggtgccttcgggaacgctaagacaggtgctgcatggctgtcgtc

agctcgtgtcgtgagatgttgggttaagtcccgcaacgagcgcaacccttgtccttagttgccagcacgtaatggtggga

actctaaggagaccgccggtgacaaaccggaggaaggtggggatgacgtcaagtcatcatggcccttacgaccagggcta

cacacgtactacaatggttaggacagagggctgcaaacccgcgagggcaagccaatcccagaaacctaatctcagtccgg

attggagtctgcaactcgactccatgaagtcggaatcgctagtaatcgcagatcagcattgctgcggtgaatacgttccc

gggccttgtacacaccgcccgtcacaccatgggagtttgttgcaccagaagcaggtagcttaaccttcgggagggcgctt

gccacggtgtggccgatgactggggtgaagtcgtaacaaggtagccgtatcggaaggtgc

>S000653577 Pseudoxanthomonas yeongjuensis (T); GR12-1; DQ438977

cacatgcaagtcgaacggcagcacaggagagcttgctctctgggtggcgagtggcggacgggtgaggaatacatcggaat

ctaccttttcgtgggggataacgtagggaaacttacgctaataccgcataagaccttcgggtgaaagccggggaccttcg

ggcctggcgcggatagatgagccgatgtcggattagcttgttggcggggtaaaagcccaccaaggcgacgatccgtagct

ggtctgagaggatgatcagccacactggaactgagacacggtccagactcctacgggaggcagcagtggggaatattgga

caatgggcgcaagcctgatccagccataccgcgtgggtgaagaaggccttcgggttgtaaagcccttttgttgggaaaga

aatcctgccggttaataaccagtagggatgacggtacccaaagaataagcaccggctaacttcgtgccagcagccgcggt

aatacgaagggtgcaagcgttactcggaattactgggcgtaaagcgtgcgtaggtggttgtttaagtctgtcgtgaaagc

cctgggctcaacctgggaattgcgatggatactgggcaactagagtgtggtagaggatagtggaatttccggtgtagcag

tgaaatgcgtagagatcggaaggaacatctgtggcgaaggcgactatctgggccaacactgacactgaggcacgaaagcg

tggggagcaaacaggattagataccctggtagtccacgccctaaacgatgcgaactggatgttgggcacaacttggtgcc

cagtatcgaagctaacgcgttaagttcgccgcctggggagtacggtcgcaagactgaaactcaaaggaattgacgggggc

ccgcacaagcggtggagtatgtggtttaattcgatgcaacgcgaagaaccttacctggtcttgacatccacggaactttc

cagagatggattggtgccttcgggaaccgtgagacaggtgctgcatggctgtcgtcagctcgtgtcgtgagatgttgggt

taagtcccgcaacgagcgcaacccctgtccttagttgccagcacgtaatggtgggaactctaaggagaccgccggtgaca

aaccggaggaaggtggggatgacgtcaagtcatcatggcccttacgaccagggctacacacgtactacaatgggaaggac

agagggctgcaatcccgcgagggtgagctaatcccagaaaccttctctcagtccggatcggagtctgcaactcgactccg

tgaagtcggaatcgctagtaatcgcagatcagcattgctgcggtgaatacgttcccgggccttgtacacaccgcccgtca

caccatgggagtttgttgcaccagaagcaggtagcttaaccgcaaggagggcgcttgccacggtgtggccgatgactggg

gtgaagtcgtaacaa

>S000768523 Pseudoxanthomonas spadix (T); type strain: IMMIB AFH-5; AM418384

gaacgctggcggtaggcctaacacatgcaagtcgaacggcagcacagtaagagcttgctcttatgggtggcgagtggcgg

acgggtgaggaatacatcggaatctaccttttggtgggggataacgtagggaaacttacgctaataccgcatacgccctt

cgggggaaagccggggaccagcaatggcctggtgctgatagatgagccgatgtcggattagctagttggtgaggtaatgg

ctcaccaaggcgacgatccgtagctggtctgagaggatgatcagccacactggaactgagacacggtccagactcctacg

ggaggcagcagtggggaatattggacaatgggcgcaagcctgatccagccataccgcgtgggtgaagaaggccttcgggt

tgtaaagcccttttgttgggaaagaaaagcattcggttaatacccgggtgttctgacggtacccaaagaataagcaccgg

ctaacttcgtgccagcagccgcggtaatacgaagggtgcaagcgttactcggaattactgggcgtaaagcgtgcgtaggt

ggtggtttaagtccgttgtgaaagccctgggctcaacctgggaattgcagtggatactgggtcactagagtgtggtagag

gatagtggaatttccggtgtagcagtgaaatgcgtagagatcggaaggaacatctgtggcgaaggcgactatctgggcca

acactgacactgaggcacgaaagcgtggggagcaaacaggattagataccctggtagtccacgccctaaacgatgcgaac

tggatgttgggttcaacttggaacccagtatcgaagctaacgcgttaagttcgccgcctggggagtacggtcgcaagact

gaaactcaaaggaattgacgggggcccgcacaagcggtggagtatgtggtttaattcgatgcaacgcgaagaaccttacc

tggtcttgacatccacggaactttccagagatggattggtgccttcgggaaccgtgagacaggtgctgcatggctgtcgt

cagctcgtgtcgtgagatgttgggttaagtcccgcaacgagcgcaacccttgtccttagttgccagcacgtaaaggtggg

aactctaaggagaccgccggtgacaaaccggaggaaggtggggatgacgtcaagtcatcatggcccttacgaccagggct

acacacgtactacaatggtcaggacagagggctgcaagccggcgacggtgagccaatcccagaaacctgatctcagtccg

gattggagtctgcaactcgactccatgaagtcggaatcgctagtaatcgcagatcagcattgctgcggtgaatacgttcc

cgggccttgtacacaccgcccgtcacaccatgggagtttgttgcaccagaagcaggtagcttaaccgcaaggagggcgct

tgccacggtgtggccgatgactggggtgaagtcgtaacaaggtagccgtatcggaaggtgcggctggatcacctctttct

a

>S000824944 Pseudoxanthomonas indica (T); P15; EF424397

tcagagtgaacgctggcggtaggcctaacacatgcaagtcgaacggcagcacaggagagcttgctctctgggtggcgagt

ggcggacgggtgaggaatacatcggaatctaccttgtcgtgggggataacgtagggaaacttacgctaataccgcatacg

accttcgggtgaaagtgggggaccgcaaggcctcacgcgattagatgagccgatgtcggattagctagttggcggggtaa

aagcccaccaaggcgacgatccgtagctggtctgagaggatgatcagccacactggaactgagacacggtccagactcct

acgggaggcagcagtggggaatattggacaatgggcgcaagcctgatccagccataccgcgtgggtgaagaaggccttcg

ggttgtaaagcccttttgttgggaaagaaatcctgtcgattaatacttggcggggatgacggtacccactgaaccctcac

cggctaacttcgtgccagcagccgcggtaatacgaagggtgcaagcgttactcggaattactgggcgtaaagcgtgcgta

ggtggtggtttaagtctgctgtgaaagccctgggctcaacctgggaattgcagtggatactgggtcactagagtgtggta

gagggatgcggaatttccggtgtagcagtgaaatgcgtagagatcggaaggaacatccgtggcgaaggcggcatcctggg

ccaacactgacactgaggcacgaaagcgtggggagcaaacaggattagataccctggtagtccacgccctaaacgatgcg

aactggatgttgggtgcaacttggcacccagtatcgaagctaacgcgttaagttcgccgcctggggagtacggtcgcaag

actgaaactcaaaggaattgacgggggcccgcacaagcggtggagtatgtggtttaattcgatgcaacgcgaagaacctt

acctggccttgacatgtcgcgaactttccagagatggattggtgccttcgggaacgcgaacacaggtgctgcatggctgt

cgtcagctcgtgtcgtgagatgttgggttaagtcccgcaacgagcgcaacccttgtccttagttgccagcacgtaatggt

gggaactctaaggagaccgccggtgacaaaccggaggaaggtggggatgacgtcaagtcatcatggcccttacggccagg

gctacacacgtactacaatgggaaggacagagggctgcaaacccgcgagggcaagccaatcccagaaaccttctctcagt

ccggattggagtctgcaactcgactccatgaagtcggaatcgctagtaatcgcagatcagcattgctgcggtgaatacgt

tcccgggccttgtacacaccgcccgtcacacc

>S000892309 Pseudoxanthomonas sacheonensis (T); BD-c54; EF575564

agagtttgatcctggctcagagtgagcgctggcggtaggcctaacacatgcaagtcgaacggcagcacagcagtagcaat

actgtgggtggcgagtggcggacgggtgaggaatacatcggaatctaccttttcgtgggggataacgtagggaaacttac

gctaataccgcataagaccttcgggtgaaagtgggggaccttcgggcctcacgcggatagatgagccgatgtcggattag

cttgttggcggggtaaaagcccaccaaggcgacgatccgtagctggtctgagaggatgatcagccacactggaactgaga

cacggtccagactcctacgggaggcagcagtggggaatattggacaatgggcgcaagcctgatccagccataccgcgtgg

gtgaagaaggccttcgggttgtaaagcccttttgttgggaaagaaatcctgtcggttaataaccggtagggatgacggta

cccaaagaataagcaccggctaacttcgtgccagcagccgcggtaatacgaagggtgcaagcgttactcggaattactgg

gcgtaaagcgtgcgtaggtggttgtttaagtctgctgtgaaagccctgggctcaacctgggaattgcagtggatactggg

cgactagagtgtggtagaggatagtggaatttccggtgtagcagtgaaatgcgtagagatcggaaggaacatctgtggcg

aaggcgactatctgggccaacactgacactgaggcacgaaagcgtggggagcaaacaggattagataccctggtagtcca

cgccctaaacgatgcgaactggatattgggcacaacttggtgcccagtatcgaagctaacgcgttaagttcgccgcctgg

ggagtacggtcgcaagactgaaactcaaaggaattgacgggggcccgcacaagcggtggagtatgtggtttaattcgatg

cgacgcgaagaaccttacctggtcttgacatccacggaactttccagagatggattggtgccttcgggaaccgtgagaca

ggtgctgcatggctgtcgtcagctcgtgtcgtgagatgttgggttaagtcccgcaacgagcgcaacccctgtccttagtt

gccagcacgtaatggtgggaactctaaggagaccgccggtgacaaaccggaggaaggtggggatgacgtcaagtcatcat

ggcccttacgaccagggctacacacgtactacaatgggaaggacagagggctgcaatcccgcgagggtgagctaatccca

gaaaccttctctcagtccggattggagtctgcaactcgactccatgaagtcggaatcgctagtaatcgcagatcagcatt

gctgcggtgaatacgttcccgggccttgtacacaccgcccgtcacaccatgggagtttgttgcaccagaagcaggtagct

taaccgcaaggagggcgcttgccacggtgtggccgatgactggggtgaagtcgtaacaaggtagccgta

>S002917657 Pseudoxanthomonas wuyuanensis (T); XC21-2; JN247803

ctacacatgcaagtcgaacggcagcacaggagagcttgctctctgggtggcgagtggcggacgggtgaggaatacatcgg

aatctacctagtcgtgggggataacgtagggaaacttacgctaataccgcatacgacctacgggtgaaagtgggggacct

tcgggcctcacgcgattagatgagccgatgtcggattagctagttggaggggtaatggcccaccaaggcgacgatccgta

gctggtctgagaggatgatcagccacactggaactgagacacggtccagactcctacgggaggcagcagtggggaatatt

ggacaatgggcgcaagcctgatccagccataccgcgtgggtgaagaaggccttcgggttgtaaagcccttttgttgggaa

agaaatcctattgattaatactcggtggggatgacggtacccaaagaataagcaccggctaacttcgtgccagcagccgc

ggtaatacgaagggtgcaagcgttactcggaattactgggcgtaaagcgtgcgtaggtggttgtttaagtctgctgtgaa

agccctgggctcaacctgggaattgcagtggatactgggcgactagagtgtggtagaggatagtggaatttccggtgtag

cagtgaaatgcgtagagatcggaaggaacatctgtggcgaaggcgactatctgggccaacactgacactgaggcacgaaa

gcgtggggagcaaacaggattagataccctggtagtccacgccctaaacgatgcgaactggatgttgggtgcaacttggc

acccagtatcgaagctaacgcgttaagttcgccgcctggggagtacggtcgcaagactgaaactcaaaggaattgacggg

ggcccgcacaagcggtggagtatgtggtttaattcgatgcaacgcgaagaaccttacctggtcttgacatccacggaact

ttccagagatggattggtgccttcgggaaccgtgagacaggtgctgcatggctgtcgtcagctcgtgtcgtgagatgttg

ggttaagtcccgcaacgagcgcaacccttgtccttagttgccagcacgtaatggtgggaactctaaggagaccgccggtg

acaaaccggaggaaggtggggatgacgtcaagtcatcatggcccttacgaccagggctacacacgtactacaatggtgag

gacagagggctgcaaacccgcgagggcaagccaatcccagaaacctcatctcagtccggattggagtctgcaactcgact

ccatgaagtcggaatcgctagtaatcgcagatcagcattgctgcggtgaatacgttcccgggccttgtacacaccgcccg

tcacaccatgggagtttgttgcaccagaagcaggtagcttaaccttcgggagggcgcttgccacgg

>S004052143 Pseudoxanthomonas gei (T); ZFJR-3; KF387628

tgtcagtcggcggcagcacagtaagagcttgctcttatgggtggcgagtggcggacgggtgaggaatacatcggaatcta

ccttttcgtgggggataacgtagggaaacttacgctaataccgcataagaccttcgggtgaaagccggggaccttcgggc

ctggcgcggatagatgagccgatgtcggattagcttgttggcggggtaaaagcccaccaaggcgacgatccgtagctggt

ctgagaggatgatcagccacactggaactgagacacggtccagactcctacgggaggcagcagtggggaatattggacaa

tgggcgcaagcctgatccagccataccgcgtgggtgaagaaggccttcgggttgtaaagcccttttgttgggaaagaaat

cctgccgattaatactcagtagggatgacggtacccaaagaataagcaccggctaacttcgtgccagcagccgcggtaat

acgaagggtgcaagcgttactcggaattactgggcgtaaagcgtgcgtaggtggttgtttaagtctgtcgtgaaagccct

gggctcaacctgggaattgcgatggatactgggcgactagagtgtggtagaggacagtggaatttccggtgtagcagtga

aatgcgtagagatcggaaggaacatctgtggcgaaggcgactgtctgggccaacactgacactgaggcacgaaagcgtgg

ggagcaaacaggattagataccctggtagtccacgccctaaacgatgcgaactggatgttgggcacaacttggtgcccag

tatcgaagctaacgcgttaagttcgccgcctggggagtacggtcgcaagactgaaactcaaaggaattgacgggggcccg

cacaagcggtggagtatgtggtttaattcgatgcaacgcgaagaaccttacctggtcttgacatccacggaactttccag

agatggattggtgccttcgggaaccgtgagacaggtgctgcatggctgtcgtcagctcgtgtcgtgagatgttgggttaa

gtcccgcaacgagcgcaacccctgtccttagttgccagcacgtaatggtgggaactctaaggagaccgccggtgacaaac

cggaggaaggtggggatgacgtcaagtcatcatggcccttacgaccagggctacacacgtactacaatgggaaggacaga

gggccgcaatcccgcgagggtgagctaatcccagaaaccttctctcagtccggattggagtctgcaactcgactccatga

agtcggaatcgctagtaatcgcagatcagcattgctgcggtgaatacgttcccgggccttgtacacaccgcccgtcacac

catgggagtttgttgcaccagaagcaggtagcttaaccgcaaggagggcgcttgccacggtgtggccgatgactggggtg

aagt